

**METHOD, APPARATUS AND COMPUTER PROGRAM PRODUCT FOR
IMPLEMENTING ENHANCED PROXY ARP FOR VIRTUAL IP
ADDRESSES**

Abstract of the Disclosure

5 A method, apparatus and computer program product are provided for
implementing enhanced proxy Address Resolution Protocol (ARP) for Virtual
Internet protocol (IP) addresses. A Virtual Internet protocol (IP) interface
requiring proxy ARP is identified and a proxy agent for the Virtual Internet
protocol (IP) interface is dynamically selected. An IP address for the Virtual
10 Internet protocol (IP) interface is added to an address list of a physical
adapter for the selected proxy agent. Utilizing the physical adapter for the
selected proxy agent, the added IP address for the Virtual Internet protocol
(IP) interface is broadcast with a media access control (MAC) address of the
physical adapter for the selected proxy agent.